

Date: Fri, 29 Jul 94 00:09:15 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #851
To: Info-Hams

Info-Hams Digest Fri, 29 Jul 94 Volume 94 : Issue 851

Today's Topics:

 6 Meters-New op needs advice.
 Anonymous message failed (wrong password)
 ATD Aircraft Txmtr, How much does it worth?
 Bay Area BBS
 CW gettogether for those interested
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 Ford Explorer VHF install locations?
 Glass mount antennas
 NEED BOSTON AREA REPEATER FREQ
 NWS Prog Charts?
 Radar
 repeaters in the microwave bands
 Slackware Pro/Linux and TCP/IP Packet

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 28 Jul 1994 16:53:39 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
prairienet.org!tigger@network.ucsd.edu
Subject: 6 Meters-New op needs advice.
To: info-hams@ucsd.edu

Hi, everybody. After years of HF DXing and contesting, I decided
to expand my horizons and get a 6M rig, to work lots of sporadic-E.
I picked up a used Yaesu 625-RD and got a 3-el beam up at 40 feet
with 9913 feedline.

I haven't heard a thing.

I know that it takes some luck and effort for the MUF to hit 50 MHz right now, but I'm wondering if the band has just been REALLY DEAD, or if I've blown my installation somehow. Maybe I have a sick rig. All I know is that I'm in EN50, and I haven't heard anything from the southeast at all... a path I was told to be fairly reliable.

Am I just being too impatient, or what? There's nothing like getting a new piece of equipment and not hearing anything. If you've got any info for a 6M neophyte, I'd be grateful. 73 de Sean KF9PL Urbana, IL

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"Most people wouldn't know music if it bit them on the ass."

-Frank Zappa

Date: Thu, 28 Jul 1994 05:52:59 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arp
Subject: Anonymous message failed (wrong password)
To: info-hams@ucsd.edu

In article <043310Z28071994@anon.penet.fi> an114318@anon.penet.fi writes:

>

> I've just preformed the HTX-100 mods and it doesn't seem to work.

> Has anyone used this mod successfully?

>

>

>-----

>To find out more about the anon service, send mail to help@anon.penet.fi.

>Due to the double-blind, any mail replies to this message will be anonymized,

>and an anonymous id will be allocated automatically. You have been warned.

>Please report any problems, inappropriate use etc. to admin@anon.penet.fi.

Were these the mods to open up coverage below 28 MHz? Please tell us more.

Jeff NH6IL
jeffrey@math.hawaii.edu

Date: 28 Jul 94 16:37:48 GMT
From: tham@husc4.harvard.edu

Subject: ATD Aircraft Txmtr, How much does it worth?
To: info-hams@ucsd.edu

I have the following items in my collection, that I was going to get it working and use it as CW transmitter, then again I'm thinking about selling it and buy something that I can plug and play.

So..my question to you all is how much are they worth. They were made by Bendix Radio for Navy Department with contract dated 20 May, 1940.

Aircraft Radio Transmitter, Model ATD
Made by Bendix Radio, Baltimore, MD
Type CRR-52253

ATD tuning unit Type CRR-47208,47209,47210(2 units).

Original instruction book

Please e-mail, Thanks in advance.

Fu Tham KA1NUB
tham@husc.harvard.edu

Date: Thu, 28 Jul 1994 15:20:46 GMT
From: netcomsv!netcom.com!slay@decwrl.dec.com
Subject: Bay Area BBS
To: info-hams@ucsd.edu

David Adams (dave@flowserver.stem.com) wrote:
: I am looking for the frequencies of South Bay area BBS in the 440Mhz range. I
am also looking for ANY phone numbers of any
: BBSs (land line variety...though so much the better if ham radio related) in the
415 area code.

I can't think of a better bbs (and packet/internet gateway) than the
NOARY bbs in Sunnyvale. Their landline number is 408-749-1950. I continue
to use it as my home bbs on packet even though I live in Portland, Oregon.
The remote access via Internet is great.

Here's some relevant info:

NOARY/BBS Internet Gateway Operating Instructions
August 7, 1992

LOCAL USERS:

Local users are those that log into the bbs via the bbs's telephone modem port (408-749-1950) or via one of the 3 tnc ports (144.93, 223.62, 433.37). Each local user has a bbs account that is used to customize how the bbs interacts with the user.

Local users can set their account up so that all incoming mail addressed to their call will be forwarded via a gateway to internet and on to other networks (mcimail, compuserve, etc). All the user needs to do is enter his email address and turn the feature on.

.....

If you are interested in using the NOARY packet/internet gateway; or if you simply want to access his bbs remotely via internet, here are the proper addresses:

gateway_info@arasmith.com
will automatically send you gateway instructions. These are about 10Kb and tell you how to operate the gateway from both directions.

73 de Sandy
WA6BXH/7J1ABV
slay@netcom.com

Date: 28 Jul 1994 17:37:50 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!taco.cc.ncsu.edu!csemail.cropsci.ncsu.edu!rdkeys@network.ucsd.edu
Subject: CW gettogether for those interested
To: info-hams@ucsd.edu

OK, folks, here is the weekly posting for the CWISTS.....

This week I will make a very rudimentary attempt at stringing it along somewhat like a net, so that we can maximize the number of folks wanting to join in in some 'semblance of an ordered sort of manner.

Bob

QST QST QST CQ CQ CQ DE NA4G NA4G NA4G BT
281610UTC JUL 94
FM NA4G

TO ALL CW OPS WORLDWIDE BT
CWIST FRIDAY NIGHT FIST FUNCTION.
ALL HANDS QSW/QSX 3702.5/7102.5KHZ 0400UTC 30 JULY 1994.
GET ON THE AIR AND ENJOY A PLAIN CW EVENING ON THE 40/80 METER BANDS.
USE A REAL HAND KEY (A STRAIGHT SENDING IRON OR BUG IS ENCOURAGED).
CALL CWIST IMI DE YOURCALL K.
ENJOY OLD-TIME AMATEUR RADIO AND TRY SOME FRIENDLY BRASS POUNDING.
EXCHANGE MORE THAN RST QTH NAME HELLO AND GOODBYE.
HELP ALONG THE NEW HAMS ON CW TO GET THEIR SPEED UP.
TELL A FAIR YARN OR TWO AMONG FELLOW CWISTS AND RAGCHEW A WHILE.
TELL SOME HISTORY ABOUT THE OLD-TIME DAYS AND YOUR EXPERIENCES IN RADIO.
IF YOU ARE AN OLD TIMER PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
IF YOU WERE EVER A PROFESSIONAL PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
USE BOATANCHOR GEAR IF YOU HAVE IT AVAILABLE OR WHATEVER YOU HAVE.
SEE YOU THERE OM/YL.
73 TU SU DE NA4G BOB AR

Greetings CWISTS, Boatanchorites, Fellow Hams, et al:

I will be on again at 0400UTC for the continuing saga of the Sacred and Most Honorable Friendly Society of Brass Pounding Fist Functioning CWISTS.

Last Friday Night, there were only a few folks that showed up, probably because of the summertime blues and commitments elsewhere. The 80 meter QRG was quite good, but a bit noisy with the eastern US storms about. I did not hear anyone on 40 meters (someone scout out a good 40 meter QRG in the novice band).

There has been a lot of interest on the rec.amateur.radio newsgroups on sending CW and the general poor quality of many fists these days. Let us do a little to promote, not only the art of receiving CW radiotelegraphic communication, but also the art of ...sending... good CW radiotelegraphic communication. It is perfectly fine to have an individualized fist, and it is often easy to tell who is aboard on watch at the key, just by the first few characters received, but it ...should... be a point of pride and operating skill to be able to manually send characters of sufficient integrity as to be readily received by all who might be in a position to hear same.

So, let us all see who will be on watch this coming friday night (saturday morn 0400UTC). Run your treasured boatanchor if you can, or even that newfangled rice box supreme, or even that fine homebrew QRP rig.

The general information is:

```

+++++
+                CWISTS Friday Night Fist Function                +
+++++
+
+ Standard time:  Friday Nights at 0400UTC (Saturday morning)      +
+
+ Standard freq:  80 meters --- 3702.5 khz for all hands.          +
+                  40 meters --- 7102.5 khz alternate, for all hands +
+                  (between the heterodynes)                       +
+                  (someone scout out a better QRG)                +
+
+ Standard calling signal:  CWIST IMI DE <yourcall> K              +
+
+++++

```

Let us all work together to continue to advance and promote the friendly use of CW on the amateur radio bands.

Let us continue to assist and help the newcomers and slowspeeds who are trying to get their CW going.

Let us to continue to promote the use of whatever gear you have up and available, be it the newest of sorts or the oldest boatanchor. Remember, CW generation has not changed since the days of arcs, Alexanderson alternators, and Pliotrons.

Let us continue to promote the sharing and fellowship of the history and traditions of amateur radio (this includes all you OTs out there that have all sorts of goodly tidbits of history to relate to the young squirts on the block, and it includes all you young squirts on the block who, even though a bit new at CW and radio are the future of the service or hobby or profession).

Let us continue to promote the ``elmering'' of all of our new folks by the old timers aboard, in any way that we can. We should not be out to convert the brethren to CW, but should be there to elmer them and assist them in learning/practicing their skills, if possible.

So, OTs aboard, young squirts in the wings, high-speed aficionados of the art, and slow-speed ragchewers, join in on the fun. If your equipment is old boatanchor, so what. If your signal is a bit weak or chirpy, so what. If your antenna is just a mere piece of wire up into the trees, so what. YOU can still join in and participate. YOU are the folks who will make it what it can be, a goodly learning time and an enjoyable evening for all.

See You There OM/YL.....

73 TU SU SK DE NA4G

Bob

* May you have fair winds and following seas on your watch at the key. *

Date: Thu, 28 Jul 1994 08:23:54
From: olivea!charnel.ecst.csuchico.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!
gatech!udel!news.sprintlink.net!indirect.com!s146.phxslip.indirect.com!
lenwink@ames.arpa
Subject: FCC back-logging...
To: info-hams@ucsd.edu

In article <1994Jul27.013843.5098@sequent.com> justin@sequent.com (Justin Bousquet) writes:

>Newsgroups: rec.radio.amateur.misc
>Path: indirect.com!news.sprintlink.net!hookup!news.kei.com!yeshua.marcam.com!
zip.eecs.umich.edu!newsxfer.itd.umich.edu!gatech!swrinde!news.dell.com!
tadpole.com!uunet!sequent!muncher.sequent.com!justin
>From: justin@sequent.com (Justin Bousquet)
>Subject: FCC back-logging...
>Message-ID: <1994Jul27.013843.5098@sequent.com>
>Sender: usenet@sequent.com (usenet)
>Nntp-Posting-Host: sequent.sequent.com
>Organization: Sequent Computer Systems, Inc.
>Distribution: usa
>Date: Wed, 27 Jul 94 01:38:43 GMT
>Lines: 11

>Hi there, I just talked to some ham guru and he told me that they just got
their new computer system on line. From all that I have been reading/hearing, I
figure that these NEW forms from the FCC must have been in preparation for the new
>systems arrival. The guru guy said something about just needing to train people
how to use the computer and then it will take care of its self and get the
>average back log down to just 6-8 weeks, but judging on how people are now
>getting their licenses back so fast, I suppose the time will go faster than
>that! So if we are patient we will see our licenses and upgrades back in no
time at all! GOD, I LOVE TECHNOLOGY!!!

>Just my \$0.02,
>Justin

I was told by a very reputable source that the license turnaround time will

be down to within 4 weeks very soon and when they start electronic filing,
license turnaround will average less than 2 weeks.

73, Len, KB7LPW

>---

>justin@sequent.com (If it gets back to my employer, I didn't say it!)

Date: Thu, 28 Jul 1994 16:12:41 GMT
From: spstimes.sps.mot.com!mogate!newsgate!jump!lynch@uunet.uu.net
Subject: Ford Explorer VHF install locations?
To: info-hams@ucsd.edu

I am in the process of purchasing a VHF/UHF mobile for
use in a Ford Explorer. Does anyone have any ideas on
where I could install the transceiver so that it is
out of the way and not easily visible? My first choice
was underneath the rear seats but I soon discovered that
the area underneath these seats goes away when the seats
are folded down. Any suggestions.....

Scott Lynch
KC7ADV
lynch@chdasic.sps.mot.com

Date: 28 Jul 1994 16:10:01 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Glass mount antennas
To: info-hams@ucsd.edu

Does anyone have any experience with the glass mount amateur antennas that
are available. I live in the ground floor of an apartment building and
can't put an antenna outside, so I am thinking about putting a glass mount
on my window. Any help would be appreciated.

Thanks in advance,

Warren Whitby
wwhitby@aol.com
73s de KE4ITL

Date: 28 Jul 1994 14:47:47 GMT

From: agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!
godot.cc.duq.edu!duq3.cc.duq.edu!SYJERRY@ames.arpa
Subject: NEED BOSTON AREA REPEATER FREQ
To: info-hams@ucsd.edu

I am attending MacWorld convention in Boston next week and would like to know of some repeater frequencies/offsets/pl tones etc in the area in case I need to get directions and chat with some local hams.

please email responses if possible
thanks in advance

73s de jerry N3RKD

Date: Thu, 28 Jul 1994 11:59:37 GMT
From: elroy.jpl.nasa.gov!usc!cs.utexas.edu!convex!news.duke.edu!concert!
hearst.acc.Virginia.EDU!murdoch!Hopper.itc.Virginia.EDU!kdbon@ames.arpa
Subject: NWS Prog Charts?
To: info-hams@ucsd.edu

I'm a newcomer to amateur radio having just received by novice license several days ago. Still exploring the possibilites. Does anyone out there know if the NWS transmits their real-time graphic weather info (radar echos, 12 and 24 hr prog charts) If so how does one access this information. Ken

Date: Thu, 28 Jul 1994 16:03:43 GMT
From: walter!dancer.cc.bellcore.com!not-for-mail@uunet.uu.net
Subject: Radar
To: info-hams@ucsd.edu

In article <313v2m\$bpb@maxwell6.ee>,
Matthew B. Watkins <mbwatkin@mtu.edu> wrote:
>Can anybody help me out? I am looking for information
>on speed detection radar that the police use. Specifically,
>doplar radar. I would like information on accuracy. If you
>have done any tests or know someone who has and could help me,

Contact the National Motorists Association (NMA) at 800-882-2785.
NMA has an information kit.

(Please folks, I know this isn't ham radio related, but the question appeared here and it does, remotely, involve spectrum use.)

Cheers,

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: Thu, 28 Jul 1994 11:44:34 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!kd4nc!ke4zv!
gary@network.ucsd.edu
Subject: repeaters in the microwave bands
To: info-hams@ucsd.edu

In article <313kmr\$1bm@nyx10.cs.du.edu> wkinning@nyx10.cs.du.edu (Warren Kinninger) writes:

>
>I've seen a lot of articles in QST and other magazines on how to build
>simple transceivers for point to point CW and SSB use. There are also
>articles on dedicated point to point links, using microwaves for linking
>repeaters together or as a high speed packet backbone. I got to wondering
>if it was possible to construct omnidirectional repeaters and end-user
>packet BBS connections using microwaves.
>
>All of the microwave antenna articles I've read describe directional
>antennas like beams and dishes. What type of omnidirectional antenna
>would you use for microwave frequencies ? I've seen some stacked dipole
>antennas for 1.2 Ghz. What works on 10 Ghz ?

The most common would be the Alford slot antenna. That's just a waveguide or rigid coax with rows of vertical half wave slots cut in it. This will produce *horizontal* polarization. If a *round* waveguide is used, and several rows of slots are used (typically 5), then a good semblance of an omni-directional horizontally polarized signal can be produced.

Another omni with gain is a dish firing straight up into a cone such that the signal is reflected off the cone in all directions. This is like a splatter board (periscope) antenna except instead of a flat plate a point down cone is used instead. This style antenna is good in that the feed point is on the ground. The support structure for the cone can distort the omni pattern, however.

>The line of sight requirements would limit the coverage of microwaves
>compared to VHF so you'd tend to have more repeaters with smaller

>coverage areas, especially in areas without mountains or tall buildings
>for repeater sites. I don't see any technical problem in implementing
>this with current microwave components. There are problems with:
>
>1) Lack of good signal path during casual use due to walls, trees,
>buildings, etc.
>
>2) Health hazards from radiation if you crank up the power enough
>to get a good signal because of walls, trees, buildings, etc.
>
>3) Multipath interference due to walls, tree, buildings, etc. Multipath
>can be reduced somewhat by using special antennas and signal processing.
>
>So, writing as one who has read about microwaves, but never used them
>what are the biggest problems ? Are omnidirectional microwave
>communications above 1.2 Ghz possible ?

As long as the *physical* size of the antennas at both ends are held constant, line-of-sight path loss at VHF, UHF, and microwave all remain the same. However, an antenna that's large compared to a wavelength *will* be directional. The practical limit to "squishing the donut" for an omni antenna is fairly rapidly reached, so antennas that are directional in azimuth as well rapidly become the antennas of choice as the frequency climbs.

On non-line-of-sight paths, microwaves generally experience greater attenuation than UHF and VHF signals. However, forward scatter works somewhat better because the common volume becomes smaller. Microwave also tends to work better via passive reflection from objects. This can allow good "bounce" shots when the direct path is obstructed.

While repeaters at microwave are possible, it isn't trivial to get good performance. It's probably best to operate in hub and spoke fashion instead, with directional antennas at the user locations making up the majority of the gain while having a modest omni gain antenna at the hub. To work well, this requires a different protocol than the CSMA used at VHF because most user stations *won't* be able to hear each other. A token ring or slotted approach works better by giving positive control to station access. Glenn Elmore has been implementing such a system called the Hubmaster.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 28 Jul 1994 07:28:40 -0700
From: nnntp.crl.com!crl4.crl.com!not-for-mail@decwrl.dec.com
Subject: Slackware Pro/Linux and TCP/IP Packet
To: info-hams@ucsd.edu

Is anyone using Slackware Professional/Linux on a PC and running a packet station?

I am contemplating getting Slackware Pro on CD-ROM and having a choice of operating system(MS-DOS or Linux) on bootup to make use of some Unix capabilities for access to the internet via SLIP or PPP and would like to explore using it with my packet station.

Thank you. de KJ5YN

Date: Thu, 28 Jul 1994 06:00:08 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
To: info-hams@ucsd.edu

References <CtIzrr.LK6@vcd.hp.com>, <lewizCtKH2t.HCB@netcom.com>, <Z+
+zD+- .edellers@delphi.com>

Subject : Re: Did CB's used to require licenses?

In article Ed Ellers <edellers@delphi.com> writes:

>
> (The very first CB calls started with a
>NUMBER signifying the CB region -- similar to districts in ham calls, but not
>the same numbers -- a letter indicating what year the license was issued, and
>four digits. This was changed in the early 1960s when someone informed the FCC
>that the numbers-first calls did not meet the Radio Regulations of the
>International Telecommunications Union because they did not begin with a prefix
>assigned to the United States.)

Is this really true? More details, please!

Jeff NH6IL
jeffrey@math.hawaii.edu

Date: Thu, 28 Jul 1994 15:57:00 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!cs.utk.edu!
martha.utcc.utk.edu!utkvx.utk.edu!werner@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Jul26.131707.204@ke4zv.atl.ga.us>, <horak.775252376@convex.com>, <dparkerCtMM8L.AvD@netcom.com>

Subject : Re: Did CB's used to require licenses?

In article <dparkerCtMM8L.AvD@netcom.com>, dparker@netcom.com (Dave Parker) writes...

>

>I was about 10.....KLZ5195. We used our calls to id

>and had lots of fun in our family..

>

>Dave

>

>

>*****

>* Dave Parker = KD6RRS = *

>* Tracy, California, USA *

>* Internet e-mail: dparker@netcom.com *

>* Packet: KD6RRS@WA6YHJ.#NOCAL.CA.USA.NA *

>*****

My first CB call was: KYS1295

then they changed it to : KBMB4548

Now I'm KC4URW, my how times change.

Bob Werner KC4URW "from the happenin' city of New Market, TN!"

internet: werner @ utkvx.utk.edu

khjh46a @ prodigy.com

Packet: KC4URW @ KT4F.#METN.TN.USA.NA

Date: Thu, 28 Jul 1994 18:12:16 +0000

From: pipex!demon!jgarrett.demon.co.uk!John@uunet.uu.net

To: info-hams@ucsd.edu

References <1994Jul18.181027.9231@bogomips.ee.ubc.ca>,

<1994Jul22.005603.6777@madnix.uucp>, <30sthj\$ne@xivic.bo.open.de>

Reply-To : John@jgarrett.demon.co.uk

Subject : Re: HEATHKIT radio clock and Linux?

In article <30sthj\$ne@xivic.bo.open.de>

ws@xivic.bo.open.de "Wolfgang Schelongowski" writes:

I got a DCF77 receiver for less than

> DM 60 (about \$ 40), and it had DOS/Windows software with it. I'm

> using it now under Linux.

Sounds a bargain. I have never seen the Heathkit unit here.

Anybody know of anything like this for sale in the UK please?
(Either DCF77 or MSF but *not* the Cambridge Kits job.)

--

```
=====
|      John Garrett      | john@jgarrett.demon.co.uk |
| Tel (work):+44 473 644 280 | Compu$erve: 100064,1370 |
| Fax (work):+44 473 644 604 |      G3RHP @ GB7MXM      |
=====
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End of Info-Hams Digest V94 #851
